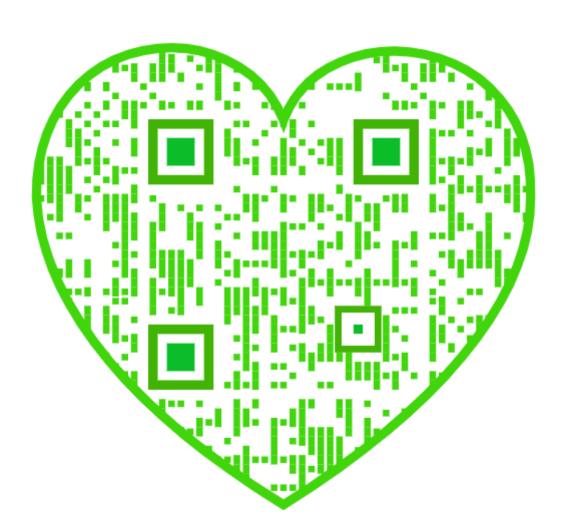


Enrichmentors



Purpose

The purpose of the section is to help you learn how to monitor and maintain the deployed models to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

 How to monitor the deployed models to ensure they continue to perform well over time, and update or retrain them as needed to adapt to changing conditions or requirements





Collect user feedback, corrections, or annotations on model predictions

Update model training data or retrain the model as needed

Validate model predictions

Identify misclassifications







Implement

Continuous evaluation pipelines

Periodically assess model performance against

Predefined benchmarks or thresholds

Automate model evaluation tasks

Cross-validation

Holdout validation

A/B testing

Ensure ongoing performance monitoring



Enrichmentor



Develop mechanisms for

- Incremental learning or online learning to
- Update models with new data
- Adapt to evolving patterns or trends

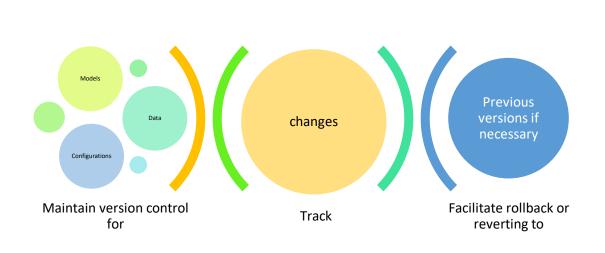
Schedule periodic model retraining based on

- Data availability
- Model performance degradation
- Predefined retraining intervals









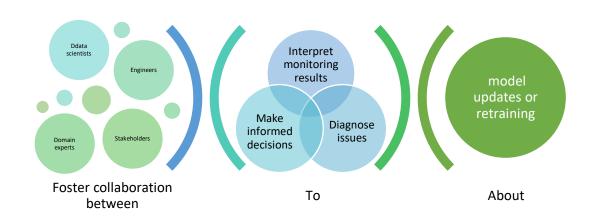


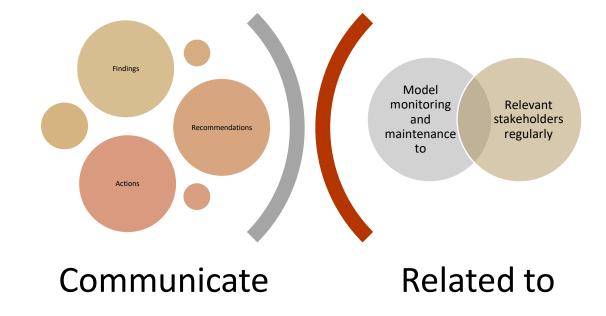
Model Mult management systems or platforms

Organize, deploy, and monitor

Multiple versions of models concurrently









Monitor the deployed models

Adapt to changing conditions or requirements

Ensure they continue to perform well over time

Update or retrain them as needed





What is next?

An example of how to monitor and maintain the deployed models

Monitor the deployed models

Adapt to changing conditions or requirements

Ensure they continue to perform well over time

Update or retrain them as needed





